

**VOLTAGE DETECTOR CIRCUIT
WITH A PROGRAMMABLE THRESHOLD POINT**

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ABSTRACT

A voltage detector including a voltage following circuit connected to a power supply
10 and operable to follow a voltage value of the power supply, a selectable threshold point
circuit connected to the voltage following circuit and operable to select one of a plurality of
values for a threshold point of the power supply, and a switch circuit coupled to the selectable
threshold point circuit and the voltage following circuit, the switch circuit cooperating with
the selectable threshold point circuit to generate an output indicating whether the value of the
15 power supply has increased above or decreased below the selected value for the threshold
point in response to the followed value of the power supply.

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